

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

FEB 27 2004

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

11948.9

Re Application Of: Chan-ho Park et al.

Serial No.

10/655,820

Filing Date

September 5, 2003

Examiner

Unassigned

Group Art Unit

2818

Title: **BIPOLAR TRANSISTORS AND METHODS OF MANUFACTURING THE SAME**

Address to:

Assistant Commissioner for Patents

Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

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**BIPOLAR TRANSISTORS AND METHODS OF MANUFACTURING THE SAME****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 500843 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F

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Signature

Typed or Printed Name of Person Signing Certificate

**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited February 24, 2004 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

JOLIN JOHNSON

Typed or Printed Name of Person Mailing Certificate

\*This certificate may only be used if paying by deposit account.



Signature

Dated: February 24, 2004**KENNETH E. HORTON**

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CC:



PATENT APPLICATION  
Docket No: 11948.9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	Chan-ho Park et al.	)	
Serial No.:	10/655,820	)	
Confirmation No.:	7160	)	Art Unit
Filed:	September 5, 2003	)	2818
For:	BIPOLAR TRANSISTORS AND METHODS OF MANUFACTURING THE SAME	)	

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be “prior art” within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

Pursuant to 37 C.F.R. § 1.491(b), since this application was filed after June 30, 2003, copies of all U.S. patents and U.S. patent application publications listed on the Form PTO-1449 are not being submitted. However, copies of all foreign applications and/or other documents are being submitted.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Please credit any over payment or charge any additional fees to Deposit Account No. 500843 of the undersigned.

DATED this 24 day of February 2004.

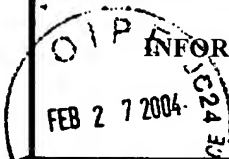
Respectfully submitted,



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**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Docket Number (Optional) <b>11948.9</b>	Application Number <b>10/655,820</b>
Applicant(s) <b>Chan-ho Park et al.</b>	
Filing Date <b>September 5, 2003</b>	Group Art Unit <b>2818</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,091,336	02/25/92	Beasom	437	150	10/03/90

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	2	Double Polysilicon - the technology behind silicon MMICs, RF transistors & PA modules; Philips Brochure; Fact Sheet NIJ004; 1998; 2 pgs.
	3	Peter et al.; Selectively-Implanted Collector Profile Optimisation for High-Speed Vertical Bipolar Transistors; Philips Research Laboratories; 4 pgs.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.